

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Use unit circle to find the missing ratios**

Let  $\cos \theta = -\frac{7}{25}$ ,  $90^\circ < \theta < 180^\circ$

Find the value of a given trigonometric ratio using unit circles:

$\sin \theta =$

$\tan \theta =$

$\sec \theta =$

$\csc \theta =$

$\cot \theta =$

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**Answers:**

$$\text{Let } \cos \theta = -\frac{7}{25}, 90^\circ < \theta < 180^\circ$$

Find the value of a given trigonometric ratio using unit circles:

$$\sin \theta = \frac{24}{25}$$

$$\tan \theta = -\frac{24}{7}$$

$$\sec \theta = -\frac{25}{7}$$

$$\csc \theta = \frac{25}{24}$$

$$\cot \theta = -\frac{7}{24}$$